



Dealers Industrial Equipment

No.:

Date: 23-SEP-2016

### DATA SHEET

### Three-phase induction motor - Squirrel cage rotor

Customer :  
 Product line : W22 Cooling Tower Motors: NEMA Premium - TEFC

Frame : 286T  
 Output : 30 HP  
 Frequency : 60 Hz  
 Poles : 4  
 Full load speed : 1765 rpm  
 Slip : 1.94 %  
 Voltage : 200 V  
 Rated current : 80.7 A  
 Locked rotor current : 492 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 6.1  
 No-load current : 25.3 A  
 Full load torque : 88.1 lb.ft  
 Locked rotor torque : 240 %  
 Breakdown torque : 240 %  
 Design : B  
 Insulation class : F  
 Temperature rise : 80 K  
 Locked rotor time : 20 s (hot)  
 Service factor : 1.25  
 Duty cycle : S1  
 Ambient temperature : -20°C - +40°C  
 Altitude : 1000 m  
 Degree of Protection : IP55  
 Approximate weight : 437 lb  
 Moment of inertia : 5.8532 sq.ft.lb  
 Noise level : 64 dB(A)

	D.E.	N.D.E.
Bearings	6311 C3	6211 C3
Regreasing interval	20000 h	20000 h
Grease amount	18 g	11 g

Load	Power factor	Efficiency (%)
100%	0.84	93.6
75%	0.80	93.0
50%	0.70	93.0

Notes:  
 Downloaded from <http://dealerselectric.com>  
 Generated for Model #03018ET3PCT286T-W22

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